

## Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
20B: Chapett-----	90	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope soil blowing	Limitation: soil blowing	Limitation: rooting depth
20C2: Chapett-----	90	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope soil blowing	Limitation: slope soil blowing	Limitation: rooting depth slope
20D2: Chapett-----	90	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope soil blowing	Limitation: slope soil blowing	Limitation: rooting depth slope
20E: Chapett-----	90	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope soil blowing	Limitation: slope soil blowing	Limitation: rooting depth slope
38B: Waukon-----	90	Moderate: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
38C2: Waukon-----	90	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
38D2: Waukon-----	90	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
45B: Maddock-----	90	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
45C: Maddock-----	90	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
45E: Maddock-----	90	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
47: Colvin-----	90	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
57A: Fargo-----	90	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
59: Grimstad-----	90	Severe: seepage	Severe: piping wetness	Severe: cutbanks cave	Favorable	Limitation: wetness	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
65: Foxhome-----	90	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: frost action	Limitation: wetness soil blowing	Limitation: wetness soil blowing	Favorable
66: Flaming-----	90	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
67A: Bearden-----	90	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily percs slowly wetness	Limitation: erodes easily rooting depth
67B: Bearden-----	90	Moderate: slope	Severe: wetness	Severe: slow refill	Limitation: frost action slope	Limitation: slope wetness	Limitation: erodes easily percs slowly wetness	Limitation: erodes easily rooting depth
93A: Bearden-----	90	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily percs slowly wetness	Limitation: erodes easily rooting depth
111: Hangaard-----	90	Severe: seepage	Severe: seepage wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
184A: Hamerly-----	90	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily
185D2: Hattie-----	90	Severe: slope	Severe: hard to pack	Severe: no water	Limitation: deep to water	Limitation: percs slowly slope slow intake	Limitation: percs slowly slope	Limitation: percs slowly slope
236: Vallers-----	90	Slight	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
242B: Marquette-----	90	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
242D: Marquette-----	90	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
258B: Sandberg-----	90	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: too sandy soil blowing	Limitation: droughty
258C: Sandberg-----	90	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
258E: Sandberg-----	90	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
296: Fram-----	90	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily
341B: Arvilla-----	90	Severe: seepage	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: soil blowing droughty	Limitation: too sandy soil blowing	Limitation: droughty

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
348: Borup-----	90	Severe: seepage	Severe: piping ponding	Severe: cutbanks cave	Limitation: frost action ponding cutbanks cave	Limitation: excess salt ponding	Limitation: ponding	Limitation: wetness
372: Hamar-----	90	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
387: Roliss-----	90	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
412: Mavie-----	90	Severe: seepage	Severe: piping wetness	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness soil blowing droughty	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily wetness droughty
422A: Bygland-----	90	Slight	Moderate: hard to pack piping wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily percs slowly
422B: Bygland-----	90	Moderate: slope	Moderate: hard to pack piping wetness	Severe: slow refill	Limitation: frost action percs slowly slope	Limitation: slope wetness	Limitation: erodes easily wetness	Limitation: erodes easily percs slowly
422C2: Bygland-----	90	Severe: slope	Moderate: hard to pack piping wetness	Severe: slow refill	Limitation: frost action percs slowly slope	Limitation: slope wetness	Limitation: erodes easily slope wetness	Limitation: erodes easily percs slowly slope
426: Foldahl-----	90	Severe: seepage	Severe: piping	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness droughty	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily droughty
435: Syrene-----	90	Severe: seepage	Severe: seepage wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness soil blowing droughty	Limitation: erodes easily too sandy wetness	Limitation: erodes easily wetness droughty

See footnote at end of table.

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
439: Strathcona-----	90	Severe: seepage	Severe: piping wetness	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness soil blowing	Limitation: wetness soil blowing	Limitation: wetness
450: Rauville-----	90	Severe: seepage	Severe: hard to pack wetness	Severe: slow refill cutbanks cave	Limitation: flooding frost action	Limitation: flooding wetness	Limitation: wetness	Limitation: wetness
481: Kratka-----	90	Severe: seepage	Severe: piping wetness	Severe: slow refill cutbanks cave	Favorable	Limitation: wetness soil blowing droughty	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily wetness droughty
494B: Darnen-----	90	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
506: Overly-----	90	Slight	Severe: piping	Severe: slow refill	Limitation: deep to water	Limitation: erodes easily percs slowly	Limitation: erodes easily	Limitation: erodes easily percs slowly
540: Seelyeville-----	90	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
543: Markey-----	90	Severe: seepage	Severe: seepage piping ponding	Severe: slow refill cutbanks cave	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: too sandy soil blowing ponding	Limitation: wetness
544: Cathro-----	90	Severe: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
547: Deerwood-----	90	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: subsides ponding cutbanks cave	Limitation: soil blowing ponding	Limitation: too sandy soil blowing ponding	Limitation: wetness
563: Northwood-----	90	Severe: seepage	Severe: piping ponding	Severe: cutbanks cave	Limitation: frost action subsides ponding	Limitation: rooting depth soil blowing ponding	Limitation: erodes easily soil blowing ponding	Limitation: erodes easily rooting depth wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
565: Eckvoll-----	90	Severe: seepage	Moderate: piping wetness	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: fast intake wetness soil blowing	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
573D: Serden-----	90	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
582: Roliss-----	90	Moderate: seepage	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
641: Clearwater-----	90	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
642: Clearwater-----	90	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
643: Huot-----	90	Severe: seepage	Severe: hard to pack	Severe: slow refill cutbanks cave	Limitation: frost action percs slowly	Limitation: wetness droughty	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly droughty
645: Espelie-----	90	Severe: seepage	Severe: wetness	Severe: slow refill cutbanks cave	Limitation: frost action percs slowly	Limitation: wetness soil blowing droughty	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly wetness droughty
647: Hilaire-----	90	Severe: seepage	Severe: hard to pack	Severe: slow refill cutbanks cave	Limitation: frost action percs slowly	Limitation: fast intake wetness droughty	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly droughty
650: Reiner-----	90	Moderate: seepage	Severe: piping	Moderate: slow refill deep to water	Limitation: frost action	Limitation: wetness soil blowing	Limitation: wetness soil blowing	Limitation: rooting depth

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
651: Thiefriver-----	90	Severe: seepage	Severe: wetness	Severe: slow refill cutbanks cave	Limitation: frost action percs slowly	Limitation: wetness soil blowing droughty	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly wetness droughty
667B: Fairdale-----	90	Moderate: seepage slope	Severe: piping	Moderate: slow refill deep to water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
667C2: Fairdale-----	90	Severe: slope	Severe: piping	Moderate: slow refill deep to water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
670: Knute-----	90	Moderate: seepage	Severe: piping	Moderate: slow refill deep to water	Favorable	Limitation: wetness soil blowing	Limitation: wetness soil blowing	Favorable
671: Onstad-----	90	Moderate: seepage	Severe: piping	Moderate: slow refill deep to water	Favorable	Limitation: wetness	Limitation: wetness	Favorable
681: Brandsvold-----	90	Moderate: seepage	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
694D2: Zell-----	90	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: erodes easily slope	Limitation: erodes easily slope
704: Wyrene-----	90	Severe: seepage	Severe: seepage wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness soil blowing droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
707A: Lizzie-----	90	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Favorable	Limitation: erodes easily	Limitation: erodes easily
712: Rosewood-----	90	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
713: Linveltdt-----	90	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: frost action	Limitation: wetness	Limitation: wetness soil blowing	Favorable
718B: Naytahwaush-----	90	Moderate: slope	Slight	Severe: no water	Limitation: deep to water	Limitation: percs slowly slope	Limitation: erodes easily	Limitation: erodes easily percs slowly
718C: Naytahwaush-----	90	Severe: slope	Slight	Severe: no water	Limitation: deep to water	Limitation: percs slowly slope	Limitation: erodes easily slope	Limitation: erodes easily percs slowly slope
718E: Naytahwaush-----	90	Severe: slope	Slight	Severe: no water	Limitation: deep to water	Limitation: percs slowly slope	Limitation: erodes easily slope	Limitation: erodes easily percs slowly slope
733: Berner-----	90	Severe: seepage	Severe: excess humus ponding	Severe: slow refill cutbanks cave	Limitation: frost action subsides ponding	Limitation: rooting depth soil blowing ponding	Limitation: soil blowing ponding	Limitation: rooting depth wetness
735B: Halverson-----	90	Severe: seepage	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: soil blowing	Limitation: droughty
735C: Halverson-----	90	Severe: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope soil blowing	Limitation: slope droughty
737: Mahkonce-----	90	Slight	Moderate: wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: wetness	Limitation: wetness	Limitation: percs slowly
746: Haslie-----	90	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: percs slowly subsides ponding	Limitation: percs slowly soil blowing ponding	Limitation: percs slowly soil blowing ponding	Limitation: percs slowly wetness
749: Colvin-----	90	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: flooding frost action	Limitation: flooding wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
765: Smiley-----	90	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
767: Auganaush-----	90	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
791: Winterfield-----	90	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: flooding cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
827B: Heimdal-----	60	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope	Favorable	Limitation: rooting depth
Esmond-----	30	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope	Favorable	Limitation: rooting depth
827C2: Heimdal-----	50	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope	Limitation: slope	Limitation: rooting depth slope
Esmond-----	40	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope	Limitation: slope	Limitation: rooting depth slope
908: Bearden-----	50	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily percs slowly wetness	Limitation: erodes easily rooting depth
Fargo-----	40	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
935: Hegne-----	50	Slight	Severe: wetness	Severe: slow refill	Limitation: percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
Fargo-----	40	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
967B: Waukon-----	65	Moderate: seepage slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
Langhei-----	25	Moderate: seepage slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Favorable	Favorable
967C2: Waukon-----	60	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
Langhei-----	30	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
979D2: Langhei-----	55	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
Waukon-----	35	Severe: slope	Moderate: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
1006: Fluvaquents-----	45	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: flooding frost action ponding	Limitation: rooting depth ponding droughty	Limitation: too sandy ponding	Limitation: rooting depth wetness droughty
Haploborolls-----	45	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: slope	Limitation: slope	Limitation: slope
1030: Pits, Gravel-----	70	---	---	---	---	---	---	---
Udipsamments-----	20	Severe: seepage slope	Severe: seepage piping	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: slope droughty
1113: Cathro-----	30	Severe: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
Haslie-----	30	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: percs slowly subsides ponding	Limitation: percs slowly ponding	Limitation: percs slowly ponding	Limitation: percs slowly wetness
Seelyeville-----	30	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness

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1117: Hedman-----	90	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
1119: Nielsville-----	90	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: percs slowly wetness	Limitation: wetness	Limitation: wetness
1121: Hedman-----	90	Moderate: seepage	Severe: piping ponding	Moderate: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
1122: Nielsville-----	50	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: percs slowly wetness	Limitation: wetness	Limitation: wetness
Perella-----	40	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: ponding	Limitation: ponding	Limitation: wetness
1142: Hedman-----	50	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
Fram-----	40	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily
1144: Kratka-----	45	Severe: seepage	Severe: piping ponding	Severe: slow refill cutbanks cave	Limitation: ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: rooting depth wetness
Strathcona-----	45	Severe: seepage	Severe: piping ponding	Severe: slow refill cutbanks cave	Limitation: frost action ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
1152B: Sugarbush-----	90	Severe: seepage	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: too sandy soil blowing	Limitation: rooting depth droughty
1152C: Sugarbush-----	90	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty

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		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1152E: Sugarbush-----	90	Severe: seepage slope	Severe: seepage	Severe: no water	Limitation: deep to water	Limitation: fast intake slope droughty	Limitation: slope too sandy soil blowing	Limitation: rooting depth slope droughty
1233D: Esmond-----	60	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope	Limitation: slope	Limitation: rooting depth slope
Heimdal-----	30	Severe: slope	Severe: piping	Severe: no water	Limitation: deep to water	Limitation: rooting depth slope	Limitation: slope	Limitation: rooting depth slope
1264: Ulen-----	90	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: droughty
1278: Rosewood-----	50	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
Venlo-----	40	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: ponding cutbanks cave	Limitation: ponding droughty	Limitation: too sandy soil blowing ponding	Limitation: wetness droughty
1279: Vallers-----	50	Slight	Severe: piping wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily wetness
Hamerly-----	40	Moderate: seepage	Severe: piping wetness	Moderate: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily wetness	Limitation: erodes easily
1280: Gunclub-----	90	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: percs slowly wetness	Limitation: wetness	Favorable

## Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1283: Reis-----	50	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
Clearwater-----	40	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
1297: Augsburg-----	90	Severe: seepage	Severe: hard to pack wetness	Severe: slow refill cutbanks cave	Limitation: frost action percs slowly	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly wetness
1299: Borup-----	90	Severe: seepage	Severe: piping wetness	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness soil blowing	Limitation: wetness soil blowing	Limitation: wetness
1304A: Glyndon-----	90	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness soil blowing	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
1304B: Glyndon-----	90	Severe: seepage	Severe: piping	Severe: cutbanks cave	Limitation: frost action slope cutbanks cave	Limitation: slope wetness soil blowing	Limitation: erodes easily wetness soil blowing	Limitation: erodes easily
1315A: Wheatville-----	90	Severe: seepage	Severe: hard to pack	Severe: slow refill cutbanks cave	Limitation: frost action percs slowly	Limitation: wetness soil blowing	Limitation: percs slowly wetness soil blowing	Limitation: percs slowly
1323B: Ladelle-----	90	Moderate: seepage	Severe: hard to pack	Severe: slow refill	Limitation: deep to water	Limitation: flooding	Favorable	Favorable
1325: Bowstring-----	45	Severe: seepage	Severe: excess humus ponding	Severe: slow refill cutbanks cave	Limitation: flooding subsides ponding	Limitation: flooding ponding	Limitation: ponding	Limitation: wetness
Fluvaquents-----	45	Severe: seepage	Severe: seepage piping ponding	Severe: cutbanks cave	Limitation: flooding frost action ponding	Limitation: rooting depth ponding droughty	Limitation: too sandy ponding	Limitation: rooting depth wetness droughty

See footnote at end of table.

## Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1356: Water-----	100	---	---	---	---	---	---	---
1422: Northwood-----	90	Severe: seepage	Severe: piping ponding	Severe: slow refill cutbanks cave	Limitation: percs slowly subsides ponding	Limitation: percs slowly soil blowing ponding	Limitation: erodes easily soil blowing ponding	Limitation: erodes easily rooting depth wetness
1866: Colvin-----	50	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
Perella-----	40	Moderate: seepage	Severe: piping	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly wetness	Limitation: wetness	Limitation: percs slowly
1871: Fargo-----	90	Slight	Severe: hard to pack ponding	Severe: slow refill	Limitation: frost action percs slowly ponding	Limitation: percs slowly slow intake ponding	Limitation: percs slowly ponding	Limitation: percs slowly wetness
1874: Radium-----	90	Severe: seepage	Severe: seepage piping	Severe: cutbanks cave	Limitation: cutbanks cave	Limitation: fast intake wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: rooting depth droughty
1878: Hamre-----	90	Moderate: seepage	Severe: piping ponding	Severe: slow refill	Limitation: frost action ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
1879: Seelyeville-----	90	Severe: seepage	Severe: excess humus ponding	Severe: slow refill	Limitation: frost action subsides ponding	Limitation: soil blowing ponding	Limitation: soil blowing ponding	Limitation: wetness
1882: Berner-----	30	Severe: seepage	Severe: wetness	Severe: slow refill cutbanks cave	Limitation: frost action subsides	Limitation: rooting depth wetness soil blowing	Limitation: wetness soil blowing	Limitation: rooting depth wetness
Rosewood-----	30	Severe: seepage	Severe: seepage piping wetness	Severe: cutbanks cave	Limitation: frost action cutbanks cave	Limitation: wetness droughty	Limitation: too sandy wetness soil blowing	Limitation: wetness droughty
Strathcona-----	30	Severe: seepage	Severe: piping wetness	Severe: slow refill cutbanks cave	Limitation: frost action	Limitation: wetness soil blowing droughty	Limitation: wetness soil blowing	Limitation: wetness droughty

See footnote at end of table.

## Water Management

Map symbol and soil name	Component percent	Limitations for--			Features affecting--			
		Pond reservoir areas	Embankments, dikes, and levees	Aquifer-fed excavated ponds	Drainage	Irrigation	Terraces and diversions	Grassed waterways
1916: Lindaas-----	90	Moderate: seepage	Severe: piping ponding	Severe: no water	Limitation: frost action percs slowly ponding	Limitation: percs slowly ponding	Limitation: erodes easily ponding	Limitation: erodes easily percs slowly wetness
1963: Bearden-----	50	Slight	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: erodes easily percs slowly wetness	Limitation: erodes easily rooting depth
Colvin-----	40	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
1964: Colvin-----	50	Moderate: seepage	Severe: wetness	Severe: slow refill	Limitation: frost action	Limitation: wetness	Limitation: wetness	Limitation: wetness
Fargo-----	40	Slight	Severe: hard to pack wetness	Severe: slow refill	Limitation: frost action percs slowly	Limitation: percs slowly slow intake wetness	Limitation: percs slowly wetness	Limitation: percs slowly wetness
W: Water-----	100	---	---	---	---	---	---	---

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation.  
See text for definitions of terms used in this table. Absence of an entry indicates that no rating is applicable.)